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ABSTRACT

The 32 tests cited in this bibliography are used to assess students' scientific achievement and knowledge. Many of the tests described focus solely on biology; some cover broader ares of science and include questions measuring knowledge of a biological science. These tests are primarily designed for grades seven and above, including adult-level. This document is one in a series of topical bibliographies from the Test Collection (TC) at Educational Testing Service (ETS) containing descriptions of more than 18,000 tests and other measurement devices prepared by commercial publishers, teachers, educational institutions, professional associations, departments of education, counselors, etc. Each description contains the following basic information: TC Accession Number (a six-digit identification number assigned by the Test Collection); the title of the instrument; personal or institutional author; year of publication or copyright; availability source; grade level for which test is suitable; age level for which test is suitable; and abstract. Other information, which is provided when known, includes subtests, number of test items, and time required to complete the test. Information on accessing the Test Collection via Internet concludes the document.(RMB)

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ETS TEST COLLECTION

ANNOTATED BIBLIOGRAPHY OF TESTS

BIOLOGY ACHIEVEMENT

ED 369 794

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Educational Testing Service
Princeton, New Jersey

TEST COLLECTION
EDUCATIONAL TESTING SERVICE
PRINCETON, NJ 08541

BIOLOGY ACHIEVEMENT
APRIL 1991

SUPERSEDES MARCH, 1989 EDITION

INTRODUCTION

Scope of Bibliography

Most of the tests described in this bibliography are achievement tests geared for use in grades 7 and above. A few item banks are also described. Many of the tests focus solely on biology; some cover broader areas of science and include questions measuring knowledge of a biological science.

Availability

Copies of the tests described on the following pages must be obtained directly from the publisher, as stated in the AV AVAILABILITY section of each test citation. Generally, the Test Collection does not have distribution rights for its holdings. However, in special instances, the Test Collection has been granted permission from individual authors to distribute their tests, which are primarily research instruments. The AV AVAILABILITY information for these instruments will be Tests in microfiche, Test Collection, Educational Testing Service, Princeton, NJ 08541.

Guide to Citation Elements

The following is a guide to the various elements which may be present in a test citation:

AN - Six-digit identification number assigned by the Test Collection

TI - Name of the instrument

DT - Components within the overall test which assess particular skills or factors

AU - Personal or institutional author

YR - Year test was published or copyrighted

AV - Test publisher or distributor; the organization which sells or distributes the instrument

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GL - List of grades for which test is suitable

TG - List of ages for which test is suitable

AB - A description of the test and its purpose

AN ACCESSION NUMBER: TC016681 ETS 9004.
TI TITLE: Eds Diagnostic Skill Level Inventory for Science, Revised.
DT SUBTESTS: Life Science; General and Human Physical Science; Earth Science; Physics and Chemistry.
AU AUTHOR: Henney-R-Lee.
YR YEAR: 88.
AV AVAILABILITY: Educational Diagnostic Services, Inc.; 2370 County Road 13; Corunna, IN 46730.
TG TARGET AUDIENCE: Adults.
NT NOTES:
TIME: 90.
ITEMS: 66.
AB ABSTRACT: Diagnoses strengths and weaknesses of adult students in the science subject area. Contains a Pre-Instructional and a Post-Instructional Inventory. Each Science Inventory contains twelve passages from writings on various sciences. Each passage is followed by comprehension questions. Science passages are divided into two categories: Life Science and Physical Science. These inventories determine the adult's ability to comprehend vocabularies of these various sciences. Inventories parallel the type of questions and skills which are required for the General Educational Development (GED) test.

AN ACCESSION NUMBER: TC016593 ETS 9004.
TI TITLE: National Proficiency Survey Series, Biology.
DT SUBTESTS: Basic Concepts; Cell Structure; Cell Function; Life Processes; Nucleic Acids/Protein Synthesis; Genetic Expression; Development/Adaptation/Selection; Classification; Microorganisms; Plants; Invertebrates; Vertebrates; Human Biology; Experiments and Lab Equipment; Ecological Relationships.
AU AUTHOR: Scannell-Dale-P.
YR YEAR: 89.
AV AVAILABILITY: Riverside Publishing Company; 8420 Bryn Mawr Avenue, Chicago, IL 60631.
GL GRADE LEVEL: 9; 10; 11; 12.
NT NOTES:
TIME: 40; approx.
ITEMS: 45.
AB ABSTRACT: Comprehensive evaluation of student proficiency in high school courses. Designed to meet normative and criterion-referenced testing requirements of selected departments of an individual school. Emphasizes current high school curriculum and measures what is taught. May be administered at beginning or end of course or both. Biology Survey measures knowledge about the living world ranging from single-celled organisms to the human body.

AN ACCESSION NUMBER: TC016482 ETS 8911.
TI TITLE: Pre-Admission Examination-PN.
DT SUBTESTS: Verbal Ability; Mathematics; Science.
AU INSTITUTIONAL AUTHOR: NLN Test Service, New York, NY.
AV AVAILABILITY: NLN Test Service; Ten Columbus Circle, New York, NY 10019.
TG TARGET AUDIENCE: Adults.
NT NOTES:
TIME: 180.
AB ABSTRACT: This three-part test battery assists schools in making admission and placement decisions for students seeking enrollment in a practical nuring program. The verbal ability test focuses on word knowledge and reading comprehension. The mathematics test measures skills in basic arithmetic calculations as well as elementary algebraic and geometric concepts through the use of straight computational and word problems. The science test evaluates high-school level knowledge of general principles of health, chemistry, biology, and physics. Experimental questions included for test development purposes are not included in scoring.

AN ACCESSION NUMBER: TC015572 ETS 8807.
TI TITLE: Major Field Achievement Tests.
DT SUBTESTS: Biology; Chemistry; Computer Science; Economics; Education; Engineering; Geology; History; Literature in English; Mathematics; Music; Physics; Political Science; Psychology; Sociology.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, NJ.
YR YEAR: 88.
AV AVAILABILITY: Program Director; Major Field Achievement Tests; GRE Programs; Educational Testing Service, Princeton, NJ 08541.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 120.
AB ABSTRACT: Designed to assess the outcomes of higher education by measuring undergraduate learning in specific disciplines. These tests are based on subject area tests from the Graduate Record Examination but are less difficult and cover the undergraduate curriculum. Tests are administered by the institution at their convenience and scored by the publisher. Tests reflect basic knowledge and understanding gained from courses. Subscores are reported for areas within each field. Different departmental needs for information can be met by administering different subforms of the test. Departmental and individual scores can be provided.

AN ACCESSION NUMBER: TC015555 ETS 8807.
TI TITLE: EDS General Educational Development Test: Science.
AU AUTHOR: Henney-R-Lee.
YR YEAR: 87.
AV AVAILABILITY: Educational Diagnostic Services; P.O. Box 347; Valparaiso, IN 46383.
TG TARGET AUDIENCE: Adults.
NT NOTES:
ITEMS: 320.
AB ABSTRACT: These tests are part of a course of study taken by adult students who are preparing to take the General Educational Development Tests (GED) in order to qualify for a high school equivalency certificate or diploma. Each of the power tests is to be used following completion of designated lessons in the student textbook. The tests are divided into developmental sections and GED-type questions. The lessons and tests cover general science and the scientific methods, physics, chemistry, earth science, astronomy, biology, and physiology. Each test should be completed in 50 minutes or less; otherwise appropriate sections should be restudied and the tests readministered.

AN ACCESSION NUMBER: TC015481 ETS 8807.
TI TITLE: High School Subject Tests: Biology, Form B.
AU AUTHOR: Wick-John-W; Gatta-Louis-A.
YR YEAR: 88.

AV AVAILABILITY: American Testronics; P.O. Box 2270; Iowa City, IA 52244-9990.
GL GRADE LEVEL: 9; 10; 11; 12.
NT NOTES:
TIME: 40; Approx.
ITEMS: 60.
AB ABSTRACT: Two equivalent forms A and B allow pre- and posttest analyses of individuals, classes, or specific groups for grades 9 through 12. Tests are both norm-referenced and criterion-referenced. Can be used as an end-of-course assessment to measure students' knowledge of Biology or as pre-assessments to measure students' knowledge prior to formal course of study of Biology.

AN ACCESSION NUMBER: TC015052 ETS 8710.
TI TITLE: End-of-Course Tests: Biology.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, NJ.
YR YEAR: 86.
AV AVAILABILITY: CTB/McGraw Hill; 2500 Garden Road, Monterey, CA 93940.
GL GRADE LEVEL: 7; 8; 9; 10; 11; 12.
NT NOTES:
TIME: 45.
ITEMS: 48.
AB ABSTRACT: Designed to measure the subject matter taught in certain junior and senior high school courses. Tests can be used to supplement or substitute for basic skills achievement testing at these levels. There are nine different end-of-course tests, one in each of the following areas: algebra, geometry, physics, chemistry, biology, world history, American history, computer literacy, and consumer economics. Tests represent the most commonly taught curricula in a one-year course in each of these subject areas. Normative data were derived from national reference groups who had completed a course in the content area. Biology test items measure knowledge of scientific methodology and items have been included that require students to apply acquired knowledge. Content of the test covers cellular, molecular, and organismic biology, heredity, evolution, and ecology.

AN ACCESSION NUMBER: TC014793 ETS 8609.
TI TITLE: Multiple Assessment Programs and Services of the College Board.
DT SUBTESTS: English; Mathematics; Reading; Written English Expression; Computation; Applied Arithmetic; Elementary Algebra; Intermediate Algebra; Test of Standard Written English; Scholastic Aptitude Test; American History and Social Studies; Biology; Chemistry; English Composition; French Reading; German Reading; Mathematics Level 1; Physics; Spanish Reading; European History and World Cultures; French Listening-Reading; Literature; Mathematics Level 2; German Listening Comprehension; German Listening-Reading; Spanish Listening Comprehension; Spanish

Listening Reading; Hebrew; Greek; Russian Reading; Russian Listening-Reading; Italian Reading; Italian Listening-Reading; Conventions of Written English; Critical Reasoning.

AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, NJ.

AV AVAILABILITY: Multiple Assessment Program and Services of the College Board; CN6725; Princeton, NJ 08541-6725.

GL GRADE LEVEL: Higher Education.

AB ABSTRACT: This series of tests is for use by colleges, for admissions, placement of students, remedial or developmental studies, exemption, guidance and counseling. Some of the tests are drawn from the national Admissions Testing Program, including the Test of Standard Written English, Scholastic Aptitude Test and Achievement Tests. Some are self-scoring (English, Mathematics). See also TC 013 001 Assessment and Placement Services for Community Colleges and TC 015 421 Comparative Guidance and Placement Program.

AN ACCESSION NUMBER: TC013766 ETS 8508.
TI TITLE: Tests of Engineering Aptitude, Mathematics, and Science.
AU INSTITUTIONAL AUTHOR: JETS, Inc., New York, NY.
AV AVAILABILITY: Jets, Inc.; 1420 King St., #405, Alexandria, VA 22314-2715.
GL GRADE LEVEL: 9; 10; 11; 12.
AB ABSTRACT: An academic sport in which teams of students from local high schools compete for awards in biology, chemistry, and JETS, a national, nonprofit organization encouraging interest in engineering, technology, and science, to enter a TEAMS competition at the national level.

AN ACCESSION NUMBER: TC012811 ETS 8506.
TI TITLE: Bank of Items for H.S.C. Biology Level III and Division I.
DT SUBTESTS: Diversity; Interrelationships; Change; Living World; Organs and Systems; Interaction and Maintenance; Cellular Level; Continuity; Evolution.
AU INSTITUTIONAL AUTHOR: Tasmanian Education Dept. Hobart (Australia).
YR YEAR: 75.
AV AVAILABILITY: ERIC Document Reproduction Service (EDRS); Cincinnati Bell Information Systems Federal, 7420 Fullerton Rd., Suite 110, Springfield, VA 22153-2852 (ED 137 053; 145 pages).
GL GRADE LEVEL: 7; 8; 9; 10; 11; 12.
NT NOTES:
ITEMS: 116.
AB ABSTRACT: This item bank is an organized collection of biology questions designed for use in evaluation at the secondary level in Tasmania. Each item has been tried for quality and is accompanied by its difficulty percentage as well as by its content area and the mental processes required to answer it. The mental processes include: knowledge, comprehension, application and analysis.

AN ACCESSION NUMBER: TC012356 ETS 8506.
TI TITLE: Multiple-Choice Cloze Exercises: Textual Domain, Science, Revised 1977.
DT SUBTESTS: Physics; Chemistry; Earth Science; Biology; Applied Science.
AU INSTITUTIONAL AUTHOR: New York State Education Dept., Albany. Div. of Research.
YR YEAR: 77.
AV AVAILABILITY: ERIC Document Reproduction Service (EDRS); Cincinnati Bell Information Systems Federal, 7420 Fullerton Rd., Suite 110, Springfield, VA 22153-2852 (ED 226 032; 219 pages).
GL GRADE LEVEL: 3; 4; 5; 6; 7; 8; 9; 10; 11; 12.
NT NOTES:
ITEMS: 200.
AB ABSTRACT: The "Test Development Notebook" is a resource designed for the preparation of tests of literal comprehension of students in grades 1 through 12. There are a total of 1725 multiple choice

closure exercises in the collection. The exercises have a common multiple choice cloze format; they use passages from domains or types of materials that students read, and the passages are graded by difficulty levels. The Multiple Choice Cloze Exercises: Handbook is available from ERIC Document Reproduction Service: P.O. Box 190, Arlington, VA 22210 (ED 226 029). Instrument consists of 200 items based on material drawn from science texts for grades 3-12. Maximum difficulty level for this instrument is 32.

AN ACCESSION NUMBER: TC012155 ETS 9506.
TI TITLE: PSB Nursing School Aptitude Examination.
DT SUBTESTS: Academic Aptitude; Spelling; Reading Comprehension; Information in the Natural Sciences; Vocational Adjustment Index.
AU AUTHOR: Psychological-Services-Bureau-St-Thomas-Pa.
YR YEAR: 80.
AV AVAILABILITY: Psychological Services Bureau; P.O. Box 4; St. Thomas, PA 17252.
GL GRADE LEVEL: 10; 11; 12; Higher Education.
NT NOTES:
TIME: 165.
ITEMS: 445.
AB ABSTRACT: A battery of five tests for use by two year associate degree programs and diploma schools of nursing in admission, placement and guidance procedures. May be used for high school counseling. Measures abilities, skills, knowledge and attitudes of students in educational programs preparing professional nurses. Measures learning ability, spelling, reading comprehension, knowledge of biology, microbiology, chemistry, physics, pharmacology, anatomy, physiology, health and safety, and personal qualities indicative of adjustment.

AN ACCESSION NUMBER: TC012154 ETS 8506.
TI TITLE: PSB-Health Occupations Aptitude Examination.
DT SUBTESTS: Academic Aptitude; Spelling; Reading Comprehension; Information in the Natural Sciences; Vocational Adjustment.
AU INSTITUTIONAL AUTHOR: Psychological Services Bureau, St. Thomas, Pa.
YR YEAR: 83.
AV AVAILABILITY: Psychological Services Bureau; P.O. Box 4; St. Thomas, PA 17252.
GL GRADE LEVEL: 10; 11; 12; Higher Education.
NT NOTES:
TIME: 120.
ITEMS: 385.
AB ABSTRACT: A battery of tests designed to measure abilities, skills, knowledge and attitudes important for the successful performance of students in the allied health education programs. Predictive of readiness for instruction. Also useful for placement, counseling

and curriculum planning. Measures verbal, quantitative and nonverbal ability, spelling, reading comprehension, knowledge of biology, chemistry, physics, pharmacology, anatomy, physiology, health and safety, and personal qualities indicative of adjustment.

AN ACCESSION NUMBER: TC011839 ETS 8410.
TI TITLE: NTE Specialty Area Tests: Chemistry, Physics and General Science.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, N.J.
YR YEAR: 82.
AV AVAILABILITY: NTE Programs, Educational Testing Service; Box 911 P, Princeton, NJ 08541.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 120.
AB ABSTRACT: Part of a standardized, secure measure of academic achievement for college students in, or completing, teacher education programs. Used by associations, school systems, state agencies, and institutions, for decisions about the certification and selection of teachers. One of 27 tests measuring understanding of the content and methods applicable to teaching in subject areas. This test covers: major ideas of chemistry and physics; chemistry; physics; astronomy; geology; meteorology; biology.

AN ACCESSION NUMBER: TC011836 ETS 8410.
TI TITLE: NTE Specialty Area Tests: Biology and General Science.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, N.J.
YR YEAR: 82.
AV AVAILABILITY: NTE Programs, Educational Testing Service, CN 6051 Princeton, NJ 08541-6051.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 120.
AB ABSTRACT: Part of a standardized, secure measure of academic achievement for college students in, or completing, teacher education programs. Used by associations, school systems, state agencies, and institutions, for decisions about the certification and selection of teachers. One of 27 tests measuring understanding of the content and methods applicable to teaching in subject areas. This test covers molecular and cellular biology, chemistry, physics, astronomy, space science, geology, oceanography and meteorology, and the history, philosophy and methodology of science.

AN ACCESSION NUMBER: TC011639 ETS 8410.
TI TITLE: New York State Regents Examinations.
AU INSTITUTIONAL AUTHOR: New York State Education Dept., Albany. Bureau of Elementary and Secondary Educational Testing.
AV AVAILABILITY: New York State Education Department; Bureau of Elementary and Secondary Testing, University of the State of New York, Albany, NY 12234.
GL GRADE LEVEL: 9; 10; 11; 12.
AB ABSTRACT: Statewide testing program used to measure achievement and grant scholarships. Exams are available in: English, mathematics,

biology, social studies, chemistry, Spanish, French, German, Hebrew, Italian, Latin, earth science; physics, bookkeeping, business law, business mathematics, and shorthand. Most of the exams are used in grades 11-12.

AN ACCESSION NUMBER: TC011637 ETS 8410.
TI TITLE: New York State General Science Examinations.
AU INSTITUTIONAL AUTHOR: New York State Education Dept., Albany. Bureau of Elementary and Secondary Educational Testing.
AV AVAILABILITY: New York State Education Department; Bureau of Elementary and Secondary Testing, University of the State of New York, Albany, NY 12234.
GL GRADE LEVEL: 9; 10; 11; 12.
AB ABSTRACT: Used by school districts in New York State that have developed their own adaptations of statewide curricula. Examinations are in general biology, general chemistry, general physics.

AN ACCESSION NUMBER: TC011442 ETS 8410.
TI TITLE: EDS Diagnostic Skill Level Inventory for Science.
DT SUBTESTS: Introduction; Physics; Chemistry; Geology; Astronomy; Biology; Physiology.
AU AUTHOR: Henney-R-Lee.
YR YEAR: 75.
AV AVAILABILITY: Educational Diagnostic Services; P.O. Box 347; Valparaiso, IN 46383.
TG TARGET AUDIENCE: Adults.
NT NOTES:
TIME: 60.
ITEMS: 40.
AB ABSTRACT: Developed to diagnose the strengths and weaknesses of adult students at the high school level. Each inventory allows diagnosis of functional weaknesses within that academic discipline in order to concentrate on specific problems between the 9 to 12 equivalent grade levels. Can be used for predictive assessments for passing the new General Educational Development Tests (GED).

AN ACCESSION NUMBER: TC011200 ETS 8410.
TI TITLE: Blue Version Biology Pictorial Classroom Test.
AU AUTHOR: Reese-Charles-Dennis.
YR YEAR: 73.
AV AVAILABILITY: University Microfilms International; Dissertation Copies, P.O. Box 1764; Ann Arbor, MI 48106 (Order No. 73-28;899; 217 pp).
GL GRADE LEVEL: 10; 11.
NT NOTES:
TIME: 33.
ITEMS: 50.

AB ABSTRACT: Multiple choice test based on the first twelve chapters of the Biological Science Curriculum Study's Blue Version text, Molecules and Man. Each item relates to a picture. Administered individually or by passing the pictures around the class, or through the use of slides. Covers evolution, biochemicals, cell theory, and multicellular organisms.

AN ACCESSION NUMBER: TC010658 ETS 8410.
TI TITLE: High School Subject Tests: Biology.
DT SUBTESTS: Cell Biology; Microbiology; Plant Biology; Animal Biology; Population Biology; Experimental Reasoning.
AU INSTITUTIONAL AUTHOR: American Testronics, Iowa City, IA.
YR YEAR: 80.
AV AVAILABILITY: American Testronics, P.O. Box 2270, Iowa City IA 52244.
GL GRADE LEVEL: 9; 10; 11; 12.
NT NOTES:
TIME: 40.
ITEMS: 60.
AB ABSTRACT: Part of the Comprehensive Assessment Program. Evaluates students and curriculum in terms of specific instructional objectives. Can also be used as norm referenced test by comparing students' performance to the scores of the norming sample.

AN ACCESSION NUMBER: TC009381 ETS 8410.
TI TITLE: Biology Teacher Behavior Inventory.
AU AUTHOR: Evans-Thomas-P.
YR YEAR: 69.
AV AVAILABILITY: Journal of Experimental Education; v38 n1 p38-47; Fall 1969.
TG TARGET AUDIENCE: Adults.
AB ABSTRACT: A category system for the systematic observation of biology teachers was developed. Teachers' verbal and non-verbal behaviors were assessed. Video tape recordings were made of biology teachers during regular classroom and laboratory presentations. These recordings were evaluated by observers.

AN ACCESSION NUMBER: TC008598 ETS 8410.
TI TITLE: College-Level Examination Program: Subject Examination in Sciences-General Biology.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, N.J.
YR YEAR: 81.
AV AVAILABILITY: College Level Examination Program; CN 6600, Princeton, NJ 08541-6600.
GL GRADE LEVEL: Higher Education.
TG TARGET AUDIENCE: ADULTS.
NT NOTES:
TIME: 90.

ITEMS: 120.
AB ABSTRACT: CLEP enables both traditional and nontraditional students to earn college credit by examination. Tests are updated periodically. Examination is divided into three broad areas: molecular and cellular biology, organismal biology and population biology.

AN ACCESSION NUMBER: TC008422 ETS 8410.
TI TITLE: Formal Operations Test-Biology.
AU AUTHOR: Bart-William-M.
YR YEAR: 72.
AV AVAILABILITY: Tests in Microfiche; Test Collection, Educational Testing Service, Princeton, NJ 08541.
TG TARGET AUDIENCE: AGE 13-19.
NT NOTES:
ITEMS: 30.
AB ABSTRACT: Measures formal reasoning ability using 30 logic items with biological content. Each item requires a simple deduction through use of logical rules of inference in order for the validly deductible response to be recognized. One of three tests covering different subject areas.

AN ACCESSION NUMBER: TC003701 ETS 8410.
TI TITLE: Graduate Record Examinations: Subject Tests--Biology.
DT SUBTESTS: Cellular and Subcellular Biology; Organismal Biology; Populationnn Biology.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, NJ.
YR YEAR: 82.
AV AVAILABILITY: GRE Programs; Educational Testing Service, CN 6000, Princeton, NJ 08541-6000.
GL GRADE LEVEL: Higher Education.
NT NOTES:
TIME: 170.
ITEMS: 210.
AB ABSTRACT: Designed to measure knowledge and understanding of biology basic to graduate study, and designed to be a power rather than speed test. For reasons of fairness, several editions are available each year. Large print answer sheets are available though the test itself is in regular sized print. In developing each new edition, special effort is made to survey the entire academic field and to include material from widely differing curricula. Used for selection of applicants for graduate school, selection of fellowship applicants, guidance and counseling, evaluation of the effectiveness of an undergraduate or master's program, requirement for conferral of a degree, senior comprehensive examination at the undergraduate level, and comprehensive examination for advancement to a master's or doctoral program. Known as Cooperative Graduate Testing Program until 1940.

AN ACCESSION NUMBER: TC003294 ETS 8410.
TI TITLE: ATP Achievement Test in Biology.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, NJ.
YR YEAR: 80.
AV AVAILABILITY: College Board ATP; CN 6200, Princeton, NJ 08541-6200.
GL GRADE LEVEL: 9; 10; 11; 12.
NT NOTES:
TIME: 60; approx.
ITEMS: 100.
AB ABSTRACT: Assesses knowledge of specific subject area. Designed as part of the Admissions Testing Program (ATP) administered by the College Board to high school juniors and seniors. Many colleges require the tests for admission and some use the results for placement. Test specifications are revised periodically. Test is designed to measure what subject matter student knows and how effectively he can use this knowledge. Content areas include cellular and molecular biology, reproduction, growth and nutrition and development; ecology; genetics and evolution; organismal biology; systematics; behavior.

AN ACCESSION NUMBER: TC003046 ETS 8410.
TI TITLE: National Achievement Tests: General Biology.
DT SUBTESTS: Uses, Processes, Results; Important Biological Scientists; Miscellaneous Facts In Biology.
AU AUTHOR: Crow-Lester-D; Murray-James-G.
YR YEAR: 51.
AV AVAILABILITY: Psychometric Affiliates; Box 807, Murfreesboro, TN 37130.
GL GRADE LEVEL: 9; 10; 11; 12.
NT NOTES:
TIME: 35.
ITEMS: 120.
AB ABSTRACT: Measures a student's knowledge of facts, uses, processes, and results in biology; and important persons in the field of biology.
AN ACCESSION NUMBER: TC002832 ETS 8410.
TI TITLE: Advanced Placement Program: Biology.
AU INSTITUTIONAL AUTHOR: Educational Testing Service, Princeton, N.J.
YR YEAR: 81.
AV AVAILABILITY: Advanced Placement Program; CN 6670, Princeton, NJ 08541-6670.
GL GRADE LEVEL: 10; 11; 12.
NT NOTES:
TIME: 180.
AB ABSTRACT: Designed to test materials covered on a college full year introduction to biology for biology majors. Questions are evenly divided between selected essays and objective questions. The number of items will vary year to year. The Advanced Placement Program has been sponsored by the College Board since 1955.

AN ACCESSION NUMBER: TC001067 ETS 8410.
TI TITLE: Emporia Biology Test.
AU AUTHOR: Andrews-Ted-F; Sanders-Merritt-W.
YR YEAR: 64.
AV AVAILABILITY: Bureau of Educational Measurements, Emporia State University, 1200 Commercial, Emporia, KS 66801.
GL GRADE LEVEL: 9; 10; 11; 12.
NT NOTES:
TIME: 40.
AB ABSTRACT: Measures knowledge of biology. Areas covered include functions of life, interdependence of plants and animals, structure of plants and their relation to other organisms as environmental factors. Test IA has 115 items, test IIA has 105 items. Tests IB and IIB each have 85 items.

AN ACCESSION NUMBER: TC922007 ETS 8506.
TI TITLE: Biology Cognitive Preference Inventory.
DT SUBTESTS: Recall; Questioning; Principles; Application.
AU AUTHOR: Tamir-Pinchas; Mukades-Rostom.
AV AVAILABILITY: Pinchas Tamir; Israel Science Teaching Center, Hebrew University, Givat Ram, Jerusalem, Israel.
GL GRADE LEVEL: 9; 10; 11; 12.
NT NOTES:
ITEMS: 30.
AB ABSTRACT: Developed for use in a study to determine the cognitive preference styles of high school biology students; interrelationship among the four cognitive styles of recall, principles, questioning, application; the effects of the independent variables of sex, type of school, curriculum, teacher's curricular bias; the interaction of the independent variables as related to cognitive preference; and cognitive preference as related to specific subject areas within biology.

AN ACCESSION NUMBER: TC800266 ETS 8510.
TI TITLE: Australian Biology Test Item Bank; Volume II: Year 12.
AU INSTITUTIONAL AUTHOR: Australian Council For Educational Research, Hawthorn.
YR YEAR: 84.
AV AVAILABILITY: Australian Council For Educational Research; Frederick Street, Hawthorn 3122; Victoria, Australia.
GL GRADE LEVEL: 12.
AB ABSTRACT: Developed to assist teachers in assessing students' knowledge of biology. Objectives of the project are that items should be relevant to current biological concepts, assess key concepts within the biology curriculum, assess a wide range of cognitive processes, and be applicable to biology courses throughout Australia. Items in this volume deal with the functioning organism and cover the organism, function and structure in plants, function and structure in animals, integration and regulation in multicellular organisms, cellular processes, heredity, life - its continuity and change, the human species, and science and the scientific process.

AN ACCESSION NUMBER: TC800265 ETS 8510.
TI TITLE: Australian Biology Test Item Bank; Volume I: Year 11.
AU INSTITUTIONAL AUTHOR: Australian Council For Educational Research, Hawthorn.
YR YEAR: 85.
AV AVAILABILITY: Australian Council For Educational Research; Frederick Street, Hawthorn 3122; Victoria, Australia.
GL GRADE LEVEL: 11.
AB ABSTRACT: Developed to assist teachers in assessing students' knowledge of biology. Items were designed to be relevant to current biological concepts, assess key concepts within the biological

curriculum, assess a wide range of cognitive processes, and be applicable to biology courses throughout Australia. Items in this volume deal with the living world and cover investigating the living world; variety of life; organisms and environments; reproduction; nutrition, development and growth; populations; interaction and change in the natural world; and the living world.

AN ACCESSION NUMBER: TCB00215 ETS 8506.
TI TITLE: Science Library of Test Items. Volume 17: A Collection of Multiple Choice Test Items Relating Mainly to Biology.
AU INSTITUTIONAL AUTHOR: New South Wales Dept. of Education, Sydney (Australia).
YR YEAR: 81.
AV AVAILABILITY: ERIC Document Reproduction Service; 3900 Wheeler Avenue, Alexandria, VA 22304 (ED 223 628; 140 pages).
GL GRADE LEVEL: 7; 8; 9; 10.
TG TARGET AUDIENCE: AGE 12-16.
AB ABSTRACT: The Science Library of Test Items is a series of instruments developed for use in the New South Wales Australia junior secondary systems. Material is designed for students aged 12-16 in grades 7-10. The grade levels are roughly equivalent to those in the United States. Criterion referenced mastery tests may be compiled for specific requirements from items in the program. A collection of multiple choice items relating to biology. Topics assessed include cells; circulation; health; senses; muscles; hormones; digestion; foods; excretion; plants; reproduction; genetics; classification; ecology; adaptations; and evolution.

ETS TEST COLLECTION VIA INTERNET

The ERIC Clearinghouse on Assessment and Evaluation has mounted on its gopher site a database to help locate tests. This database can be used by accessing the gopher at the address: GOPHER.CUA.EDU. The ERIC/ETS Test Collection is located under: Special Resources/ ERIC Clearinghouse on Assessment and Evaluation/ Test Locator/.

To search the database, enter keywords from the title or descriptors. For example, if you would like to search for tests on oral language proficiency, you could type in all three words, or oral and proficiency. You may get slightly different results, but you will have information on a lot of tests to look at. If you know the title of the test, the best way to search is to use the main words in the title, not necessarily all of the words in the title. If you are looking for the Wechsler Intelligence Scale for Children-Revised, the most efficient way to search is with the words Wechsler, intelligence, and children.

INTRODUCTION TO THE ETS TEST COLLECTION

The Educational Testing Service (ETS) Test Collection database contains records on over 9,500 tests and research instruments. These records describe the instruments and provide availability information. The Test Collection encompasses virtually all fields from vocational interest inventories for adults to instruments that measure shyness or predict recidivism in released criminal offenders, to assessment of managerial style, as well as education-related achievement and aptitude tests. The test descriptions are indexed with ERIC Thesaurus terms for subject accessibility.

This is a joint project of ETS and ERIC_AE. ETS Library and Reference Services Division prepares the descriptions. ERIC_AE maintains the database and hosts the Search System. ERIC_AE has also begun to put ETS prepared test descriptions into the ERIC *Resources in Education* database. About 15 descriptions are added each month.

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You may download individual and small groups of test descriptions and you may point to this service from any Gopher Site.

WHAT KIND OF TEST ARE DESCRIBED?

The Test Collection database collects a variety of instruments: achievement tests, aptitude tests, personality measures, attitude measures, career/vocational interest measures, occupational tests such as nursing or sales skills inventories. Many research instruments are collected as well as tests from commercial publishers.

WHAT INFORMATION IS AVAILABLE ABOUT THE TESTS?

The title, author, publication date and source appear in the record. An abstract describing the instrument, intended population, and uses accompanies the record. Subject terms give the age and grade level information as well as ERIC Thesaurus terms that describe the test.

DOES THE TEST COLLECTION DATABASE REVIEW THE TESTS?

No, other reference guides such as Mental Measurements Yearbooks, Tests: A Comprehensive Reference for Assessments in Psychology, Education, and Business, and Test Critiques distributed by Pro-Ed fill that role. You can search the tables of contents for the MMY and Test Critiques through the ERIC_AE Gopher Site.

ARE ALL THE TESTS IN THE DATABASE CURRENTLY IN PRINT?

No, some of the items are out of print. We suggest contacting the publisher for permission to use out-of-print materials. Phone numbers can be located using another menu option on the ERIC_AE Gopher Site.

WHERE CAN I SEE THE ACTUAL TEST INSTRUMENTS?

Availability information is provided in the records. Many colleges and universities have test collections in their libraries. Talk to you local librarian for more information.

WHAT IS TESTS IN MICROFICHE?

Tests in Microfiche is a subcollection of unpublished research instruments that are available for purchase in microfiche from the ETS Test Collection. The collection includes instruments appropriate for diverse populations (infants, learning disabled, adults, etc.) Each set spans a wide range of topics such as job satisfaction and attitudes towards school. More than 800 tests are available.

DOES THE TEST COLLECTION PROVIDE REFERENCE SERVICES?

No, the descriptive information in the database should help answer most questions people may have. And the publisher of the particular test is the most competent source of information. You can, however, route general inquiries to ERIC_AE@CUA.EDU.

Ask_AE@cua.edu
ERIC Clearinghouse on
Assessment and Evaluation
Catholic University of America
Washington, DC 20064

800 464-3742 (800 Go4-ERIC)
202 319-5120
FAX: 202 319-6692